2	What is claimed is:
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4	Claim 1. An intra-operative method for essentially
5	eliminating post-operative pain associated with a surgical
6	procedure comprising the steps of;
7	a) providing a medicated solution formulated for intra-
8	operative use which is a mixture of an injectable anesthetic,
9	epinephrine, sodium chloride and an injectable anti-
10	inflammatory agent; and
11	b) administering predetermined amounts of said medicated
12	solution intra-operatively to selected sites within the
13	boundaries of a surgical field;
14	whereby post-operative pain associated with said
15	surgical procedure is essentially eliminated.
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17	Claim 2. The intra-operative method in accordance with
18	claim 1 wherein said injectable anesthetic is selected from
19	the group consisting of bupivicaine, levobupivicaine,
20	ropivicaine, dibucaine, procaine, chloropropane, prilocaine,
21	mepivicaine, etidocaine, tetracaine, lidocaine, xylocaine or
22	mixtures thereof and said injectable anti-inflammatory agent
23	is selected from the group consisting of ketorolac
24	tromethamine, propecatomol or mixtures thereof.
25	

CLAIMS

1 Claim 3. The intra-operative method in accordance with 2 claim 1 wherein said injectable anesthetic is levobupivicaine 3 and said injectable anti-inflammatory agent is ketorolac 4 tromethamine. 5 6 Claim 4. The intra-operative method in accordance with 7 claim 1 wherein said predetermined amount comprises 8 approximately 5cc of said medicated solution. 9 10 Claim 5. The intra-operative method in accordance with 11 claim 1 wherein said administering of said medicated solution 12 utilizes a hollow shaft having a proximal end and a distal 13 end, wherein said medical solution flows within said shaft 14 from said proximal end toward said distal end, which distal 15 end is defined by a solid end having a plurality of 16 circumferentially positioned apertures in said shaft for 17 providing radially directed flow of the medicated solution 18 circumferentially about said shaft. 19 Claim 6. The intra-operative method in accordance with 21

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claim 5 wherein said hollow shaft is an 18 gauge spinal needle.

1 Claim 7. The intra-operative method in accordance with 2 claim 1 wherein said surgical procedure is selected from the 3 group consisting of a total hip replacement (THR), a total 4 knee replacement (TKR) and a UNI knee replacement. 5 6 Claim 8. A kit for carrying out an intra-operative 7 method for essentially eliminating pain associated with a 8 surgical procedure comprising; 9 a combination of ingredients including an injectable 10 anesthetic, epinephrine, sodium chloride and an injectable 11 anti-inflammatory agent calculated for specific patient 12 weights; and 13 a means for administering said medicated solution to a surgical field, said means comprising a hollow shaft spinal 14 15 needle. 16 17 having a proximal end and a distal end, wherein upon 18 administration, said medical solution flows within said shaft 19 from said proximal end toward said distal end, which distal 20 end is defined by a solid end having a plurality of 21 circumferentially positioned apertures in said shaft for 22 providing radially directed flow of the medicated solution 23 circumferentially about said shaft.

1	Claim 9. The kit in accordance with claim 8 wherein said
2	injectable anesthetic is selected from the group consisting
3	of bupivicaine, levobupivicaine, ropivicaine, dibucaine,
4	procaine, chloropropane, prilocaine, mepivicaine, etidocaine,
5	tetracaine, lidocaine, xylocaine or mixtures thereof and said
6	injectable anti-inflammatory agent is selected from the group
7	consisting of ketorolac tromethamine, propecatomol or
8	mixtures thereof.
9	
10	Claim 10. The kit in accordance with claim 8 wherein
11	said injectable anesthetic is levobupivicaine and said
12	injectable anti-inflammatory agent is ketorolac tromethamine.
13	
14	Claim 11. The kit in accordance with claim 8 wherein
15	said hollow shaft is an 18 gauge spinal needle.
16	
17	Claim 12. The kit in accordance with claim 8 wherein
18	said hollow shaft has a proximal end and a distal end,
19	wherein upon administration, said medical solution flows
20	within said shaft from said proximal end toward said distal

23 shaft for providing radially directed flow of the medicated

end, which distal end is defined by a solid end having a

plurality of circumferentially positioned apertures in said

24 solution circumferentially about said shaft.

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1	Claim 13. An intra-operative method for essentially
2	eliminating pain associated with a surgical procedure
3	performed in a patient weighing less than 160 pounds
4	comprising the steps of;
5	a) mixing 50 ml of 0.5% levobupivicaine with 0.5 ml $$
6	epinephrine diluted 1:1000;
7	b) diluting the solution obtained in step a to 100 ml
8	wherein the concentration of levobupivicaine is 0.25%;
9	c) removing 40 ml of the solution obtained in step b;
10	d) discarding 20 ml of the solution removed in step c
11	and setting aside 20 ml of the solution removed in step $c$ ;
12	e)adding 60 mg of ketorolac tromethamine to the
13	remaining 60 ml of solution of step c;
14	f) injecting into a subcutaneous layer around a surgical
15	incision the 20 ml of solution set aside in step d via a
16	needle using about 4 single injections of approximately 5cc
17	each; and
18	g) injecting into multiple areas within said surgical
19	incision the solution of step e via a needle using about 12
20	single injections of approximately 5cc each;
21	whereby pain associated with said surgical procedure is
22	essentially eliminated.
23	

- 1 Claim 13. The intra-operative method in accordance with 2 claim 12 wherein injection is through a hollow shaft having a 3 proximal end and a distal end, wherein upon administration, 4 said medical solution flows within said shaft from said 5 proximal end toward said distal end, which distal end is 6 defined by a solid end having a plurality of 7 circumferentially positioned apertures in said shaft for 8 providing radially directed flow of the medicated solution 9 circumferentially about said shaft. 10 11 Claim 14. The intra-operative method in accordance with 12 claim 12 wherein injection is through a hollow shaft which is 13 an 18 gauge spinal needle. 14 15 Claim 15. The intra-operative method in accordance with 16 claim 12 wherein said surgical procedure is selected from the 17 group consisting of a total hip replacement (THR), a total 18 knee replacement (TKR) and a UNI knee replacement. 19 20 Claim 16. An intra-operative method for essentially 21 eliminating pain associated with a surgical procedure 22 performed in a patient weighing 160 pounds or more comprising
- a) mixing 50 ml of 0.5% levobupivicaine with 0.5 ml

the steps of;

- 1 epinephrine diluted 1:1000;
- b) diluting the solution obtained in step a to 100 ml
- 3 wherein the concentration of levobupivicaine is 0.25%;
- 4 c) removing and setting aside 20 ml of the solution
- 5 obtained in step b;
- 6 d)adding 60 mg of ketorolac tromethamine to the
- 7 remaining 80 ml of solution of step c;
- 8 e) injecting into a subcutaneous layer around a surgical
- 9 incision the 20 ml of solution set aside in step c via a
- needle using about 4 single injections of approximately 5cc
- 11 each; and
- f) injecting into multiple areas within said surgical
- incision the solution of step d via a needle using about 16
- single injections of approximately 5cc each;
- whereby pain associated with said surgical procedure is
- 16 essentially eliminated.
- 17
- 18 Claim 17. The intra-operative method in accordance with
- 19 claim 16 wherein injection is through a hollow shaft having a
- 20 proximal end and a distal end, wherein upon administration,
- 21 said medical solution flows within said shaft from said
- 22 proximal end toward said distal end, which distal end is
- 23 defined by a solid end having a plurality of
- 24 circumferentially positioned apertures in said shaft for
- 25 providing radially directed flow of the medicated solution

I	circumierentially about said shait.
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3	Claim 18. The intra-operative method in accordance with
4	claim 16 wherein injection is through an 18 gauge spinal
5	needle.
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7	Claim 19. The intra-operative method in accordance with
8	claim 16 wherein said surgical procedure is selected from the
9	group consisting of a total hip replacement (THR), a total
10	knee replacement (TKR) and a UNI knee replacement.
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